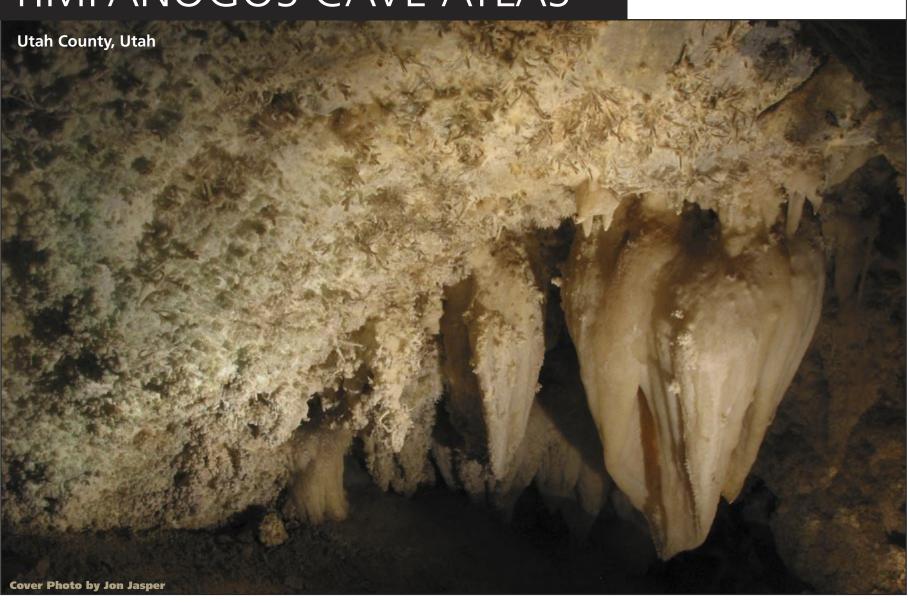
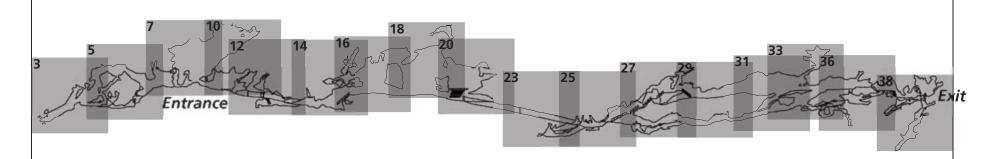
TIMPANOGOS CAVE ATLAS

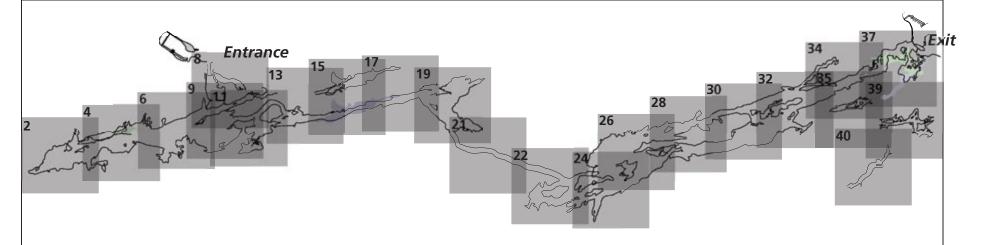
Brandon Kowallis



Profile View North

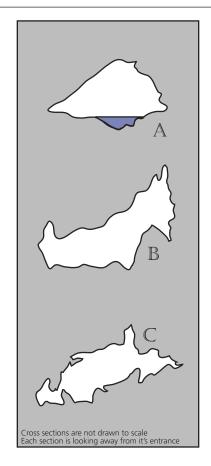


Plan View



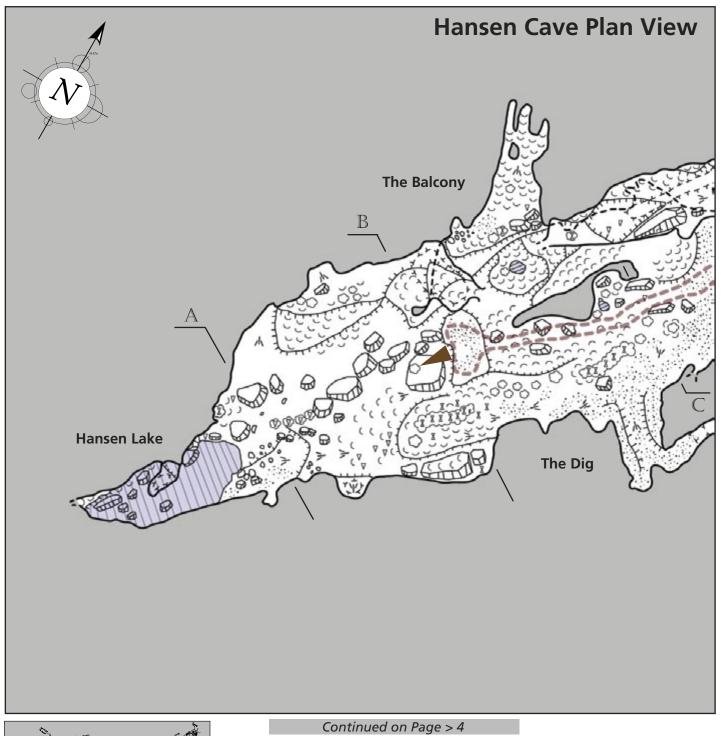
This atlas has been created from the full scale map of the Timpanogos Cave System in order to provide a quick and easy to use reference guide of the cave for resource management and maintenance purposes, as well as to help answer questions regarding the behavior of the many restricted areas. It is not to be used as a navigation guide for recreational caving. Never venture off the main trail unless you have a good reason that is both approved by the Monument Supervisors and beneficial to the cave.

E ach gray square quadrant above is numbered according to a page in the atlas. The plan view is a birds-eye view and the profile view is a side view. Each page contains the expanded section of the map, a photograph of the area, a scale bar, a north arrow for plan view sections, a small map showing the quadrant you are viewing, and a legend explaining the symbols used throughout the atlas. The Timpanogos Cave System was surveyed by Rodney D. Horrocks from 1991 to 1993 and the map was created, designed, and drafted during the summer of 2003 by Brandon K. Kowallis.





Resource Management stands at the back of Hansen Lake during low water levels. NPS Photo





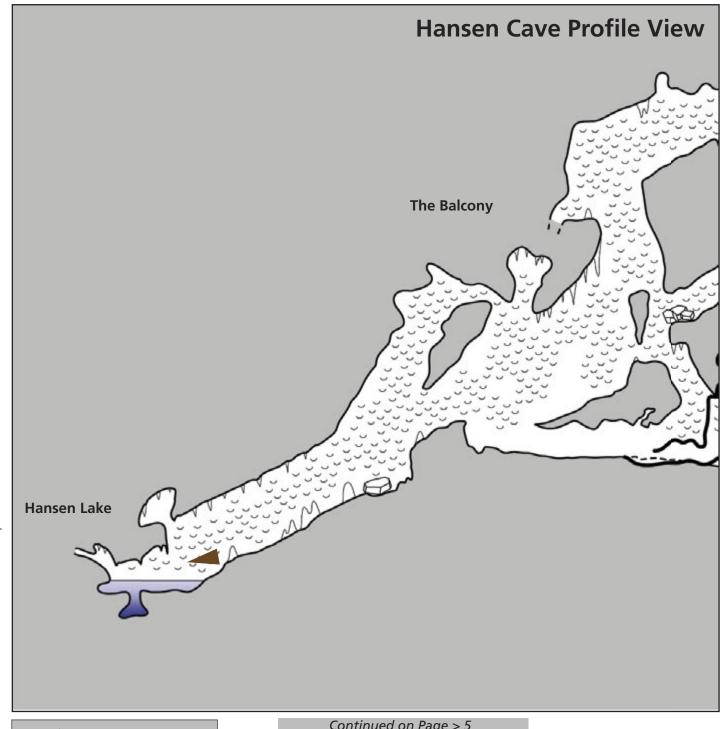




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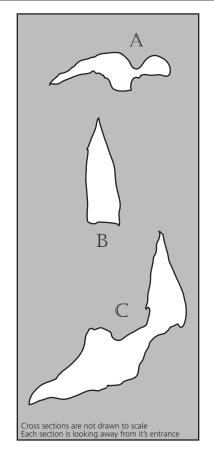


Hansen Lake at high levels. NPS Photo.



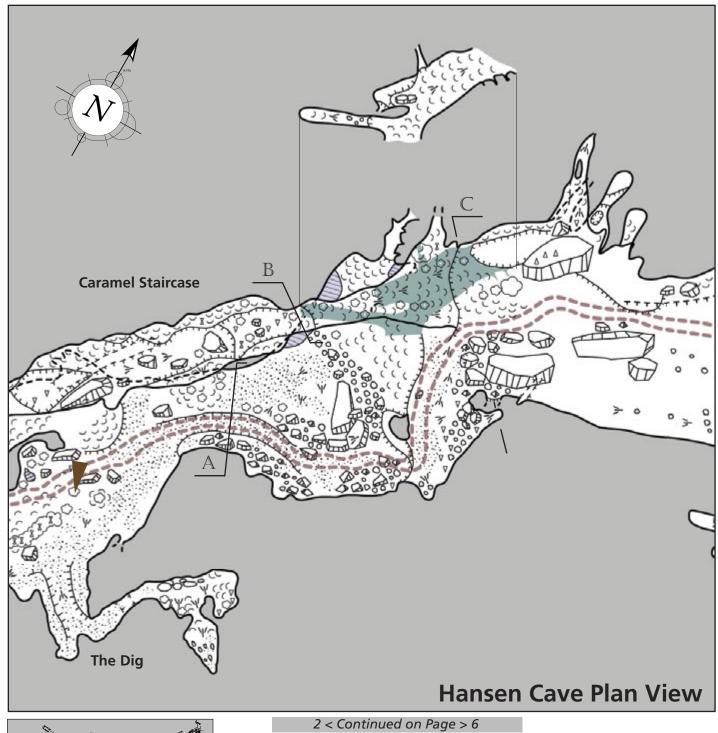








Just behind these columns is where The Dig area is located. Rod Horrocks dug this out during the 1990's cave survey. NPS Photo.





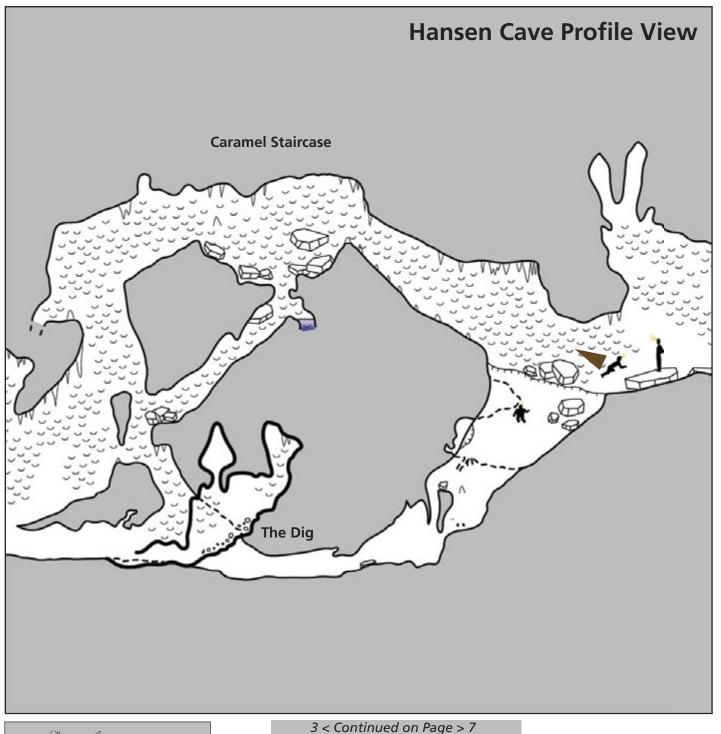




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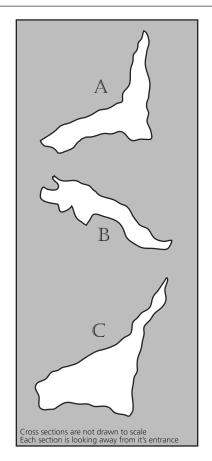


A view up into the Caramel Staircase as seen from the Introduction to Caving trail. NPS Photo.



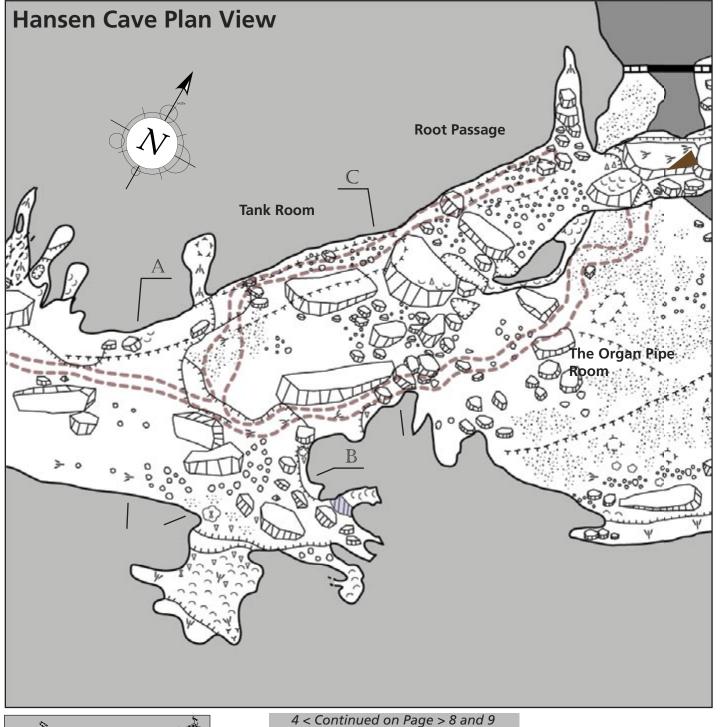








Jon Jasper navigates through a section of the Root Passage. NPS Photo.



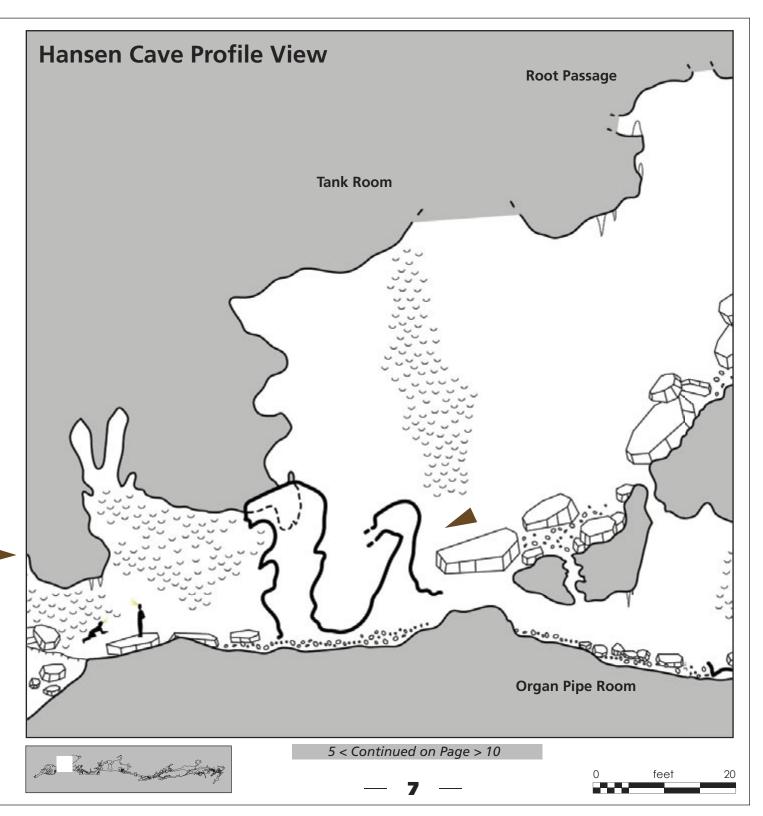


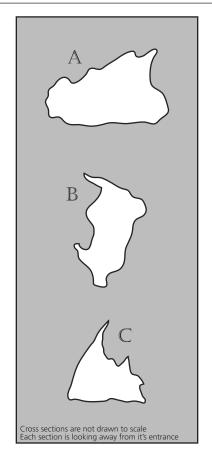


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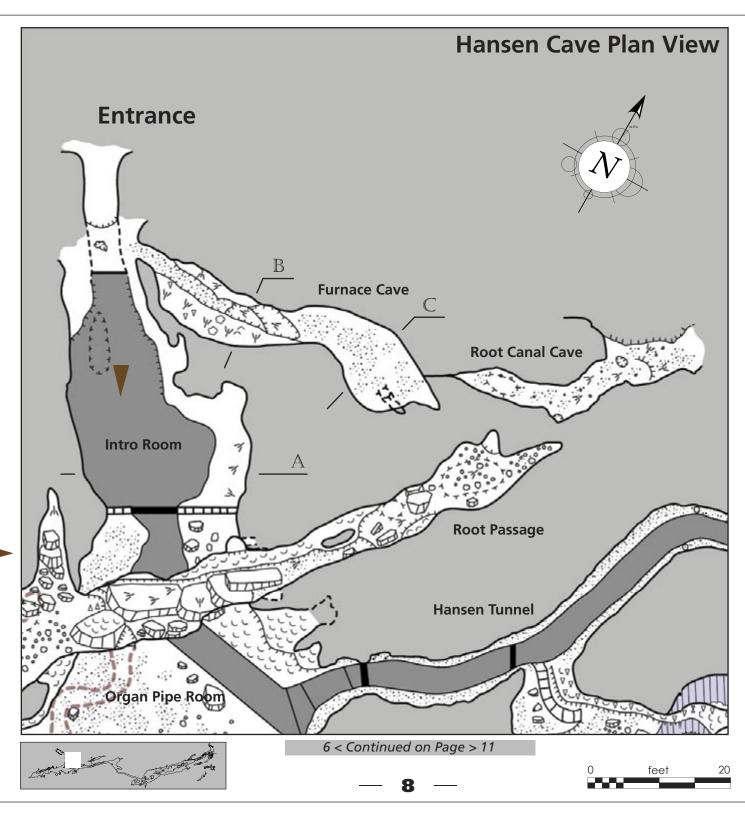
Jon Jasper standing on the Introduction to Caving trail in the Tank Room. NPS Photo.

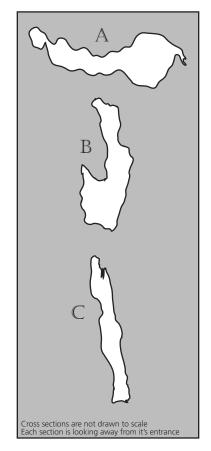






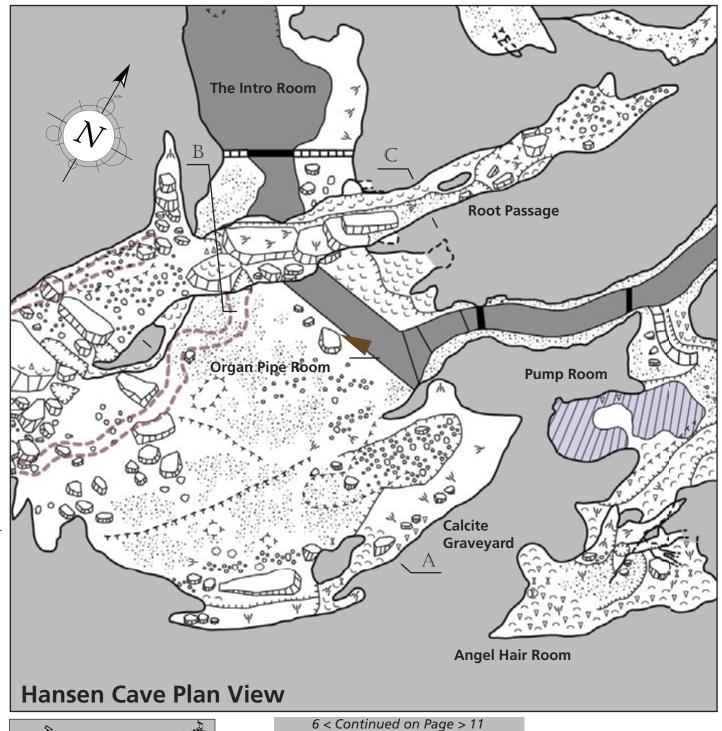
Hansen Cave entrance gate in the Intro Room. Photo by Brandon Kowallis 2003.







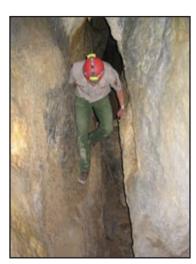
The Organ Pipe formation in the Organ Pipe Room of Hansen Cave. Photo by Brandon Kowallis 2003.



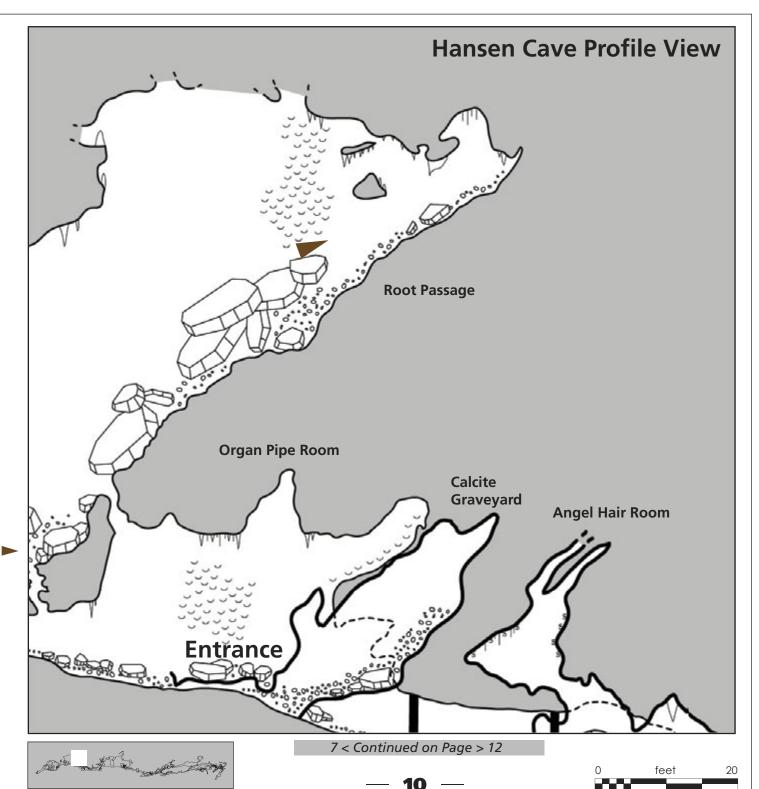


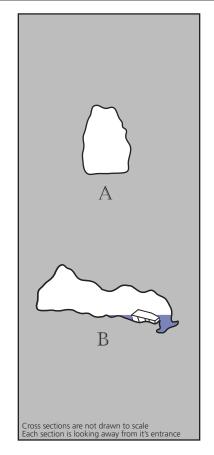


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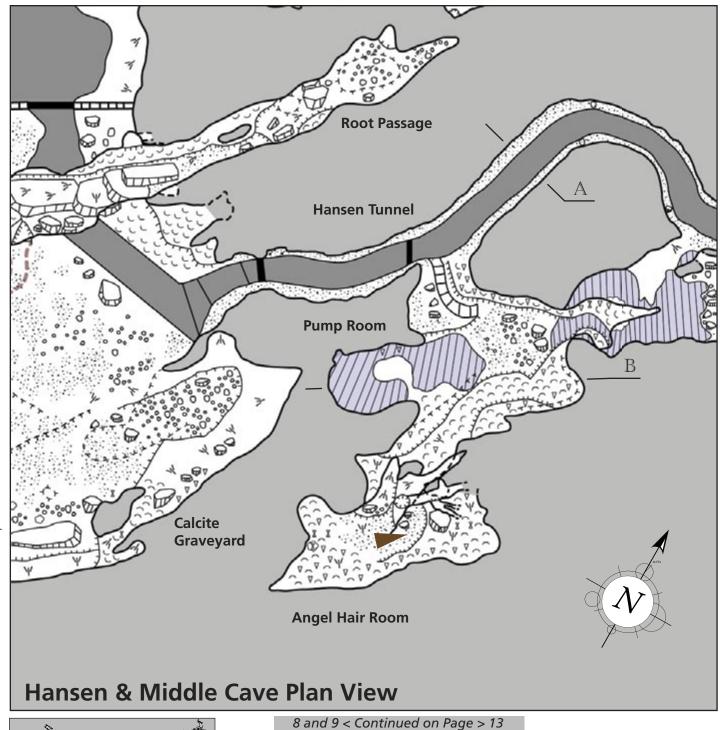
Jon Jasper maneuvering through upper section of the Root Passage. NPS Photo.







Helictite covered stalactite in the Angel Hair Room of Middle Cave. Photo by Brandon Kowallis 2003.





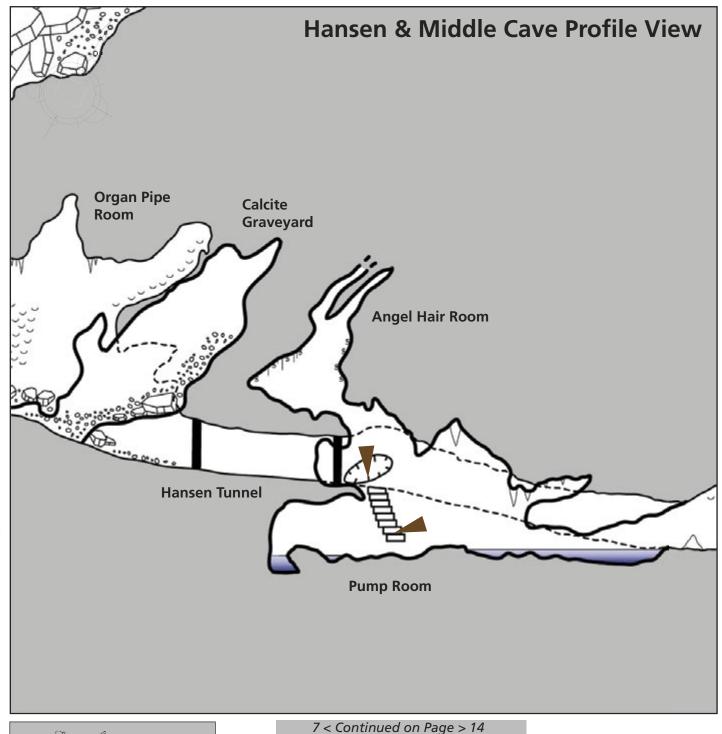


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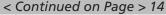




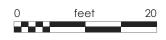
The Pump Room at the bottom of the stairs (top) and as seen from the main trail (bottom). NPS Photo.

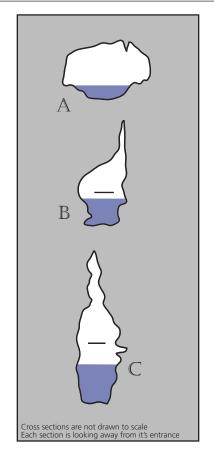






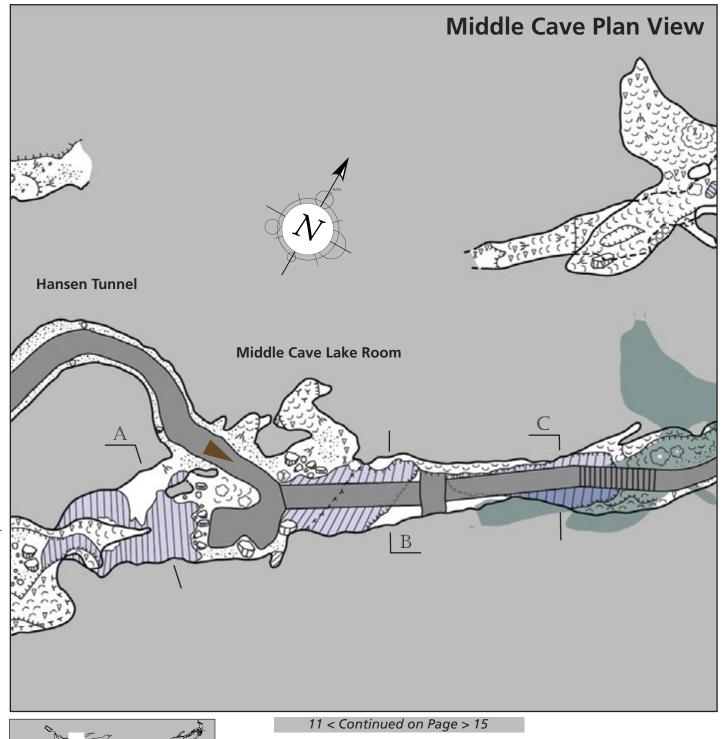






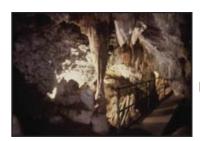


Middle Cave Lake during Spring run off when the pump stopped working during April of 2004. Photo by Jon Jasper.

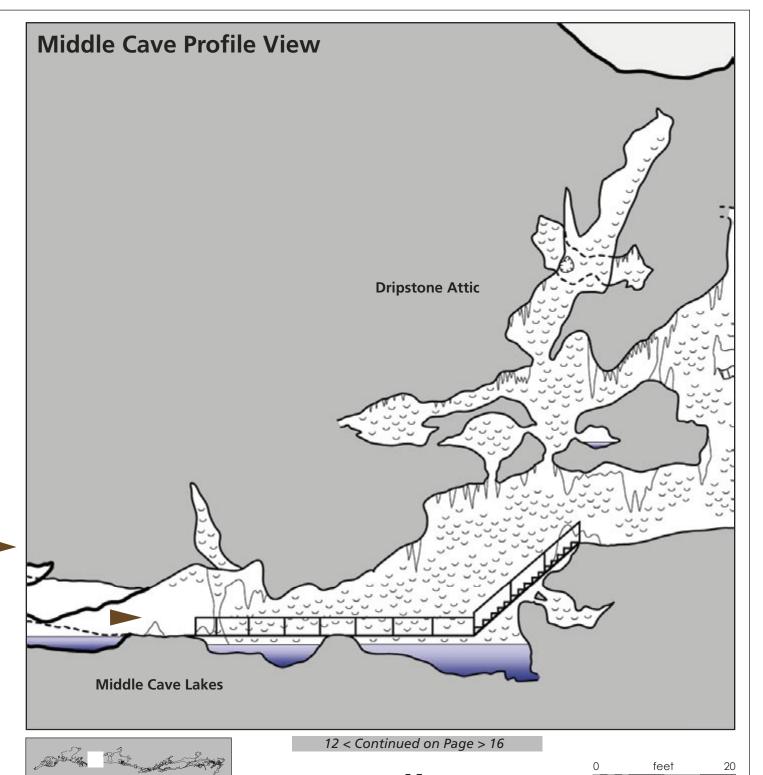


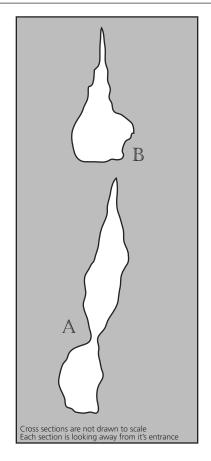


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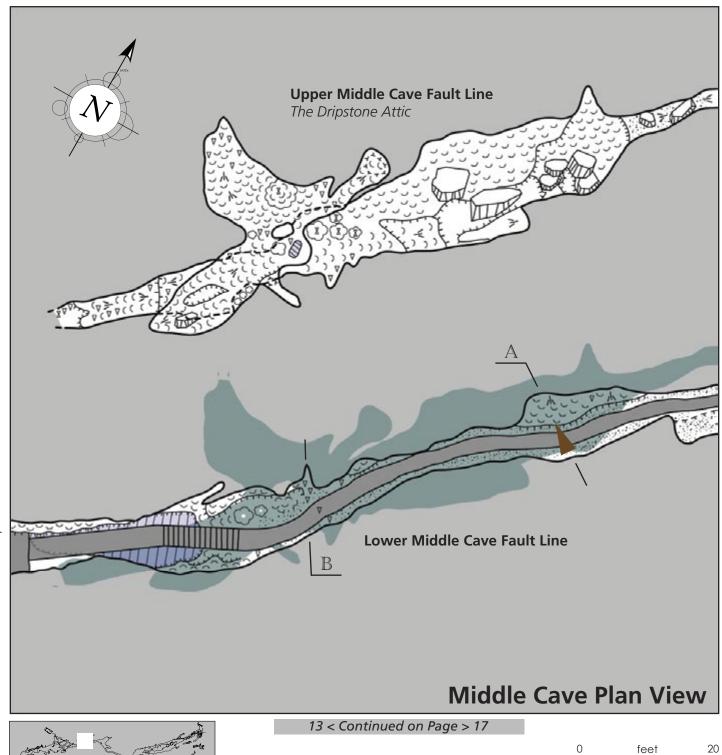
Middle Cave Lake Room. NPS Photo.







Ceiling passage leading to the Dripstone Attic in the Middle Cave Fault Line. Passage as seen along the main trail. NPS Photo.

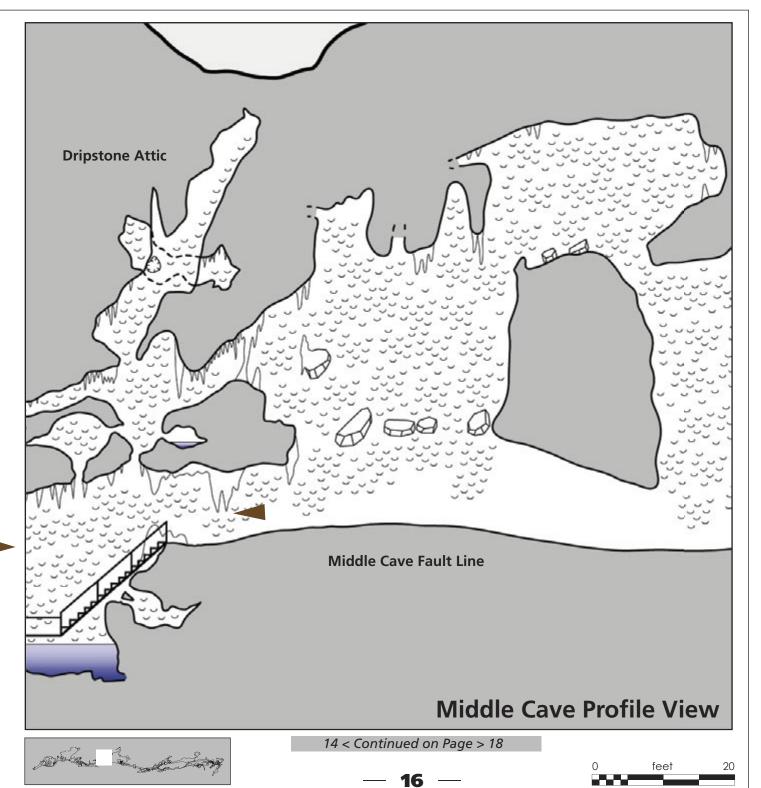


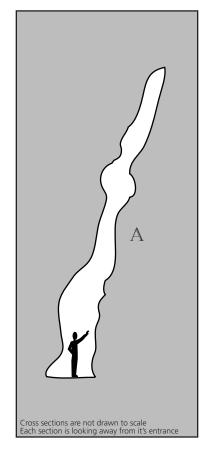


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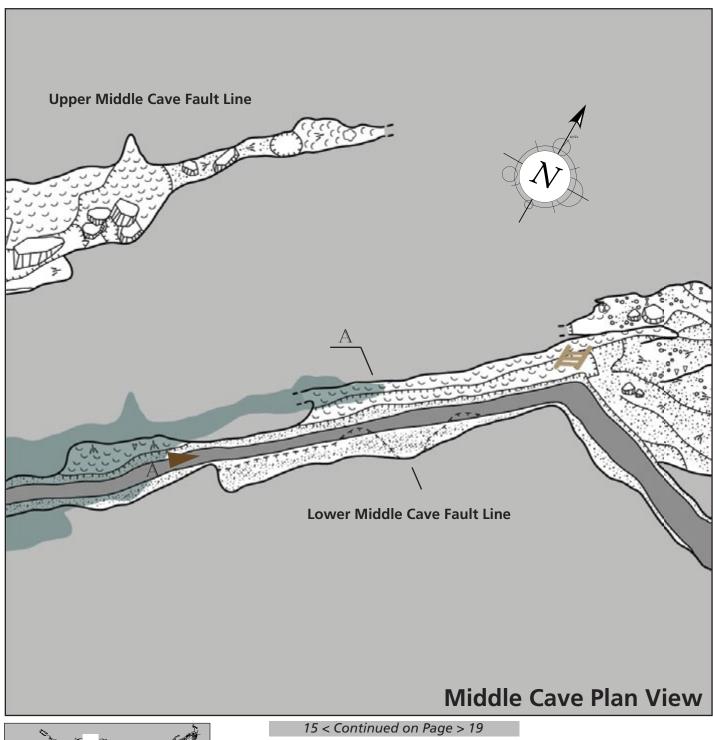
Jon Jasper stands in the Middle Cave Fault Line passage just below the Dripstone Attic. NPS Photo.







The Middle Cave fault line. NPS Photo.

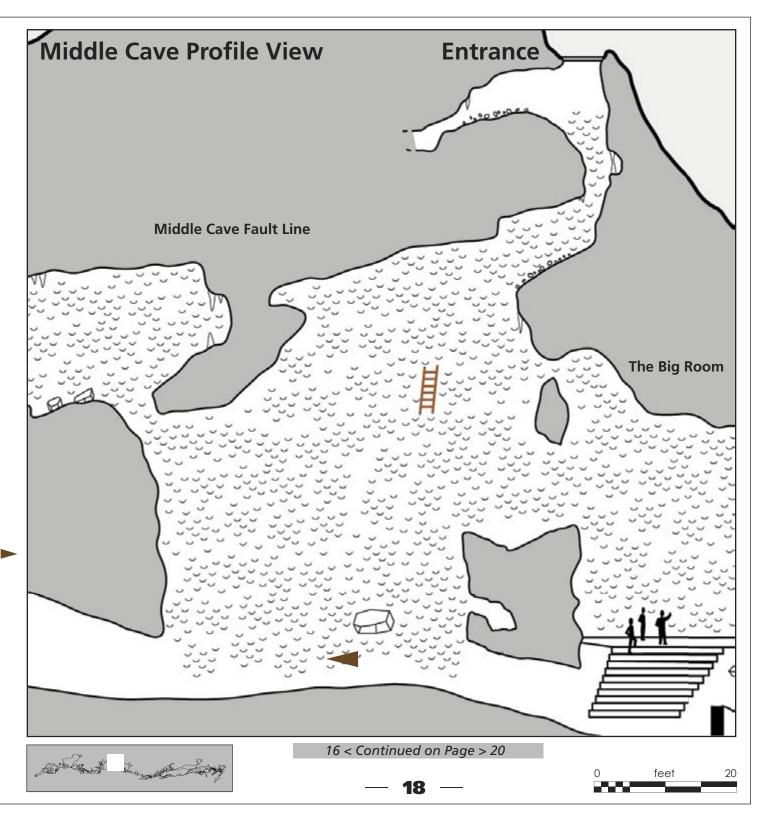


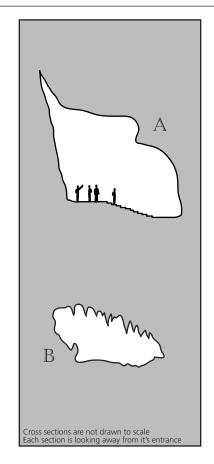


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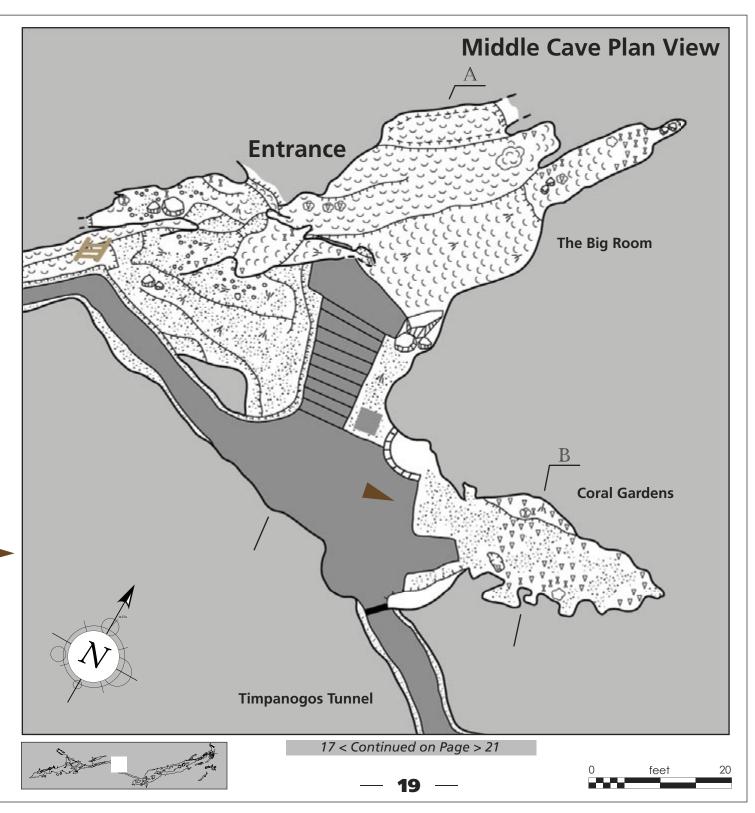
Popcorn covered wall in the Middle Cave Fault Line passage. NPS Photo.



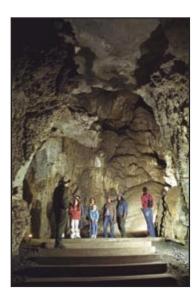




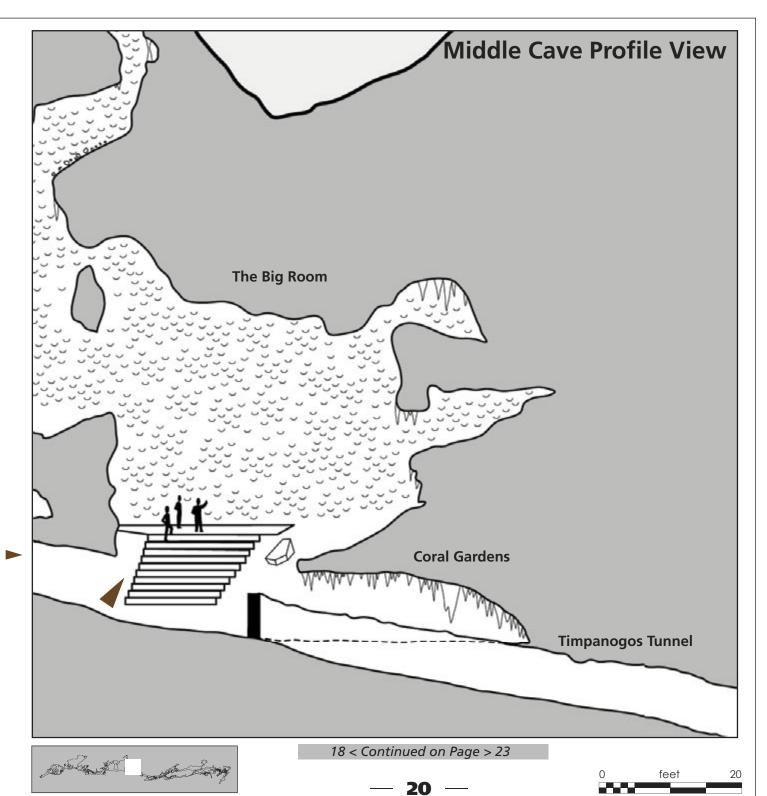
The Coral Gardens in Middle Cave. NPS Photo.

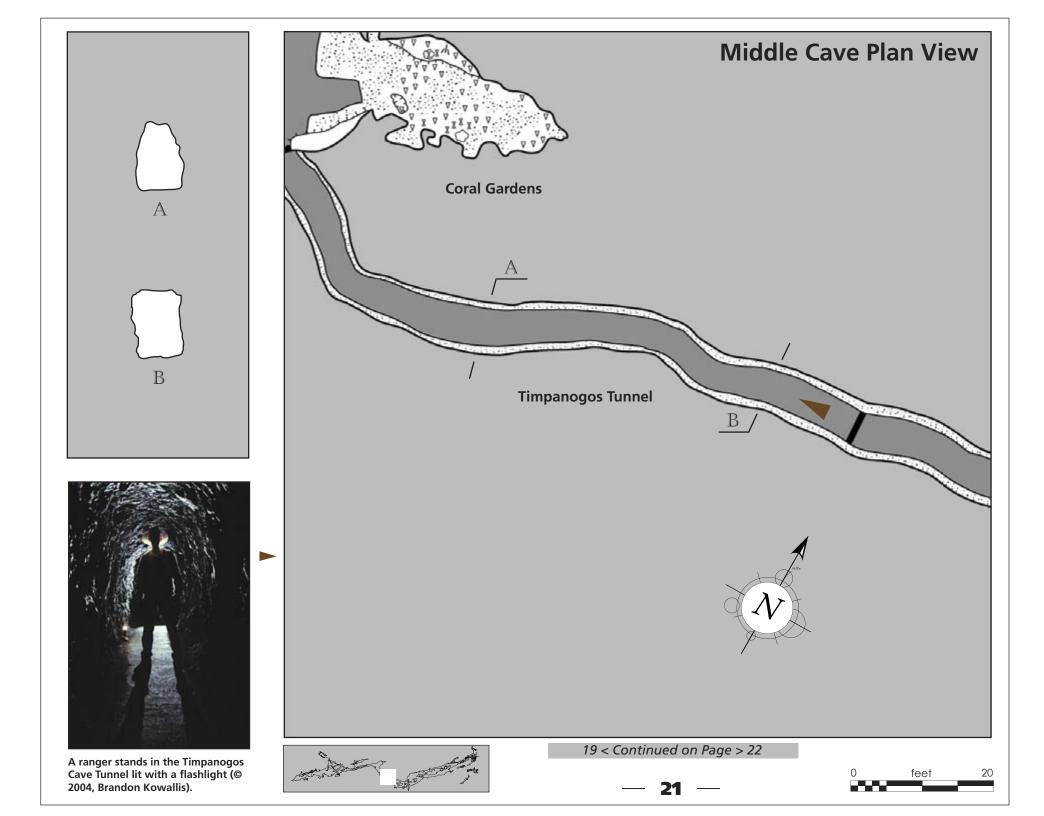


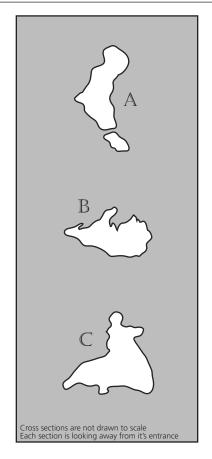
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A Ranger Leads a tour in The Big Room of Middle Cave (© 2004, Brandon Kowallis).

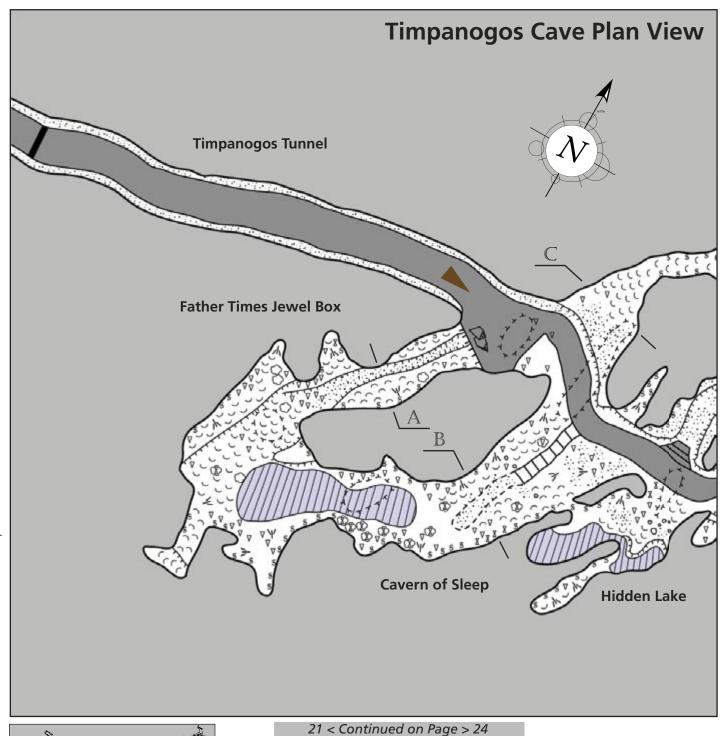








First glimpse of Timpanogos Cave after exiting the man-made tunnel. This large stalactite is stained yellow from the presence of nickel. NPS Photo.

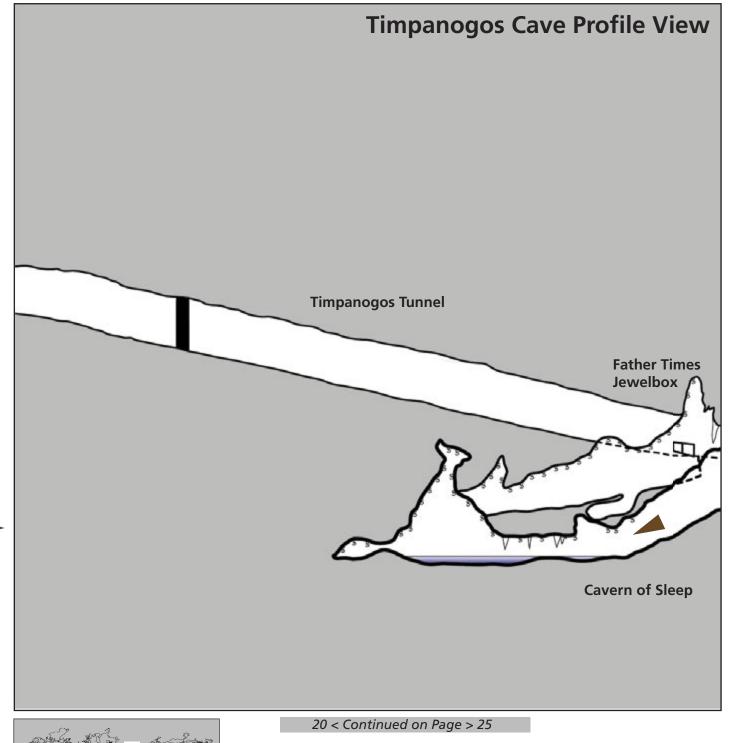




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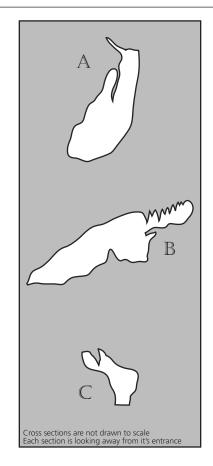
Anthodites in the Cavern of Sleep. NPS Photo.





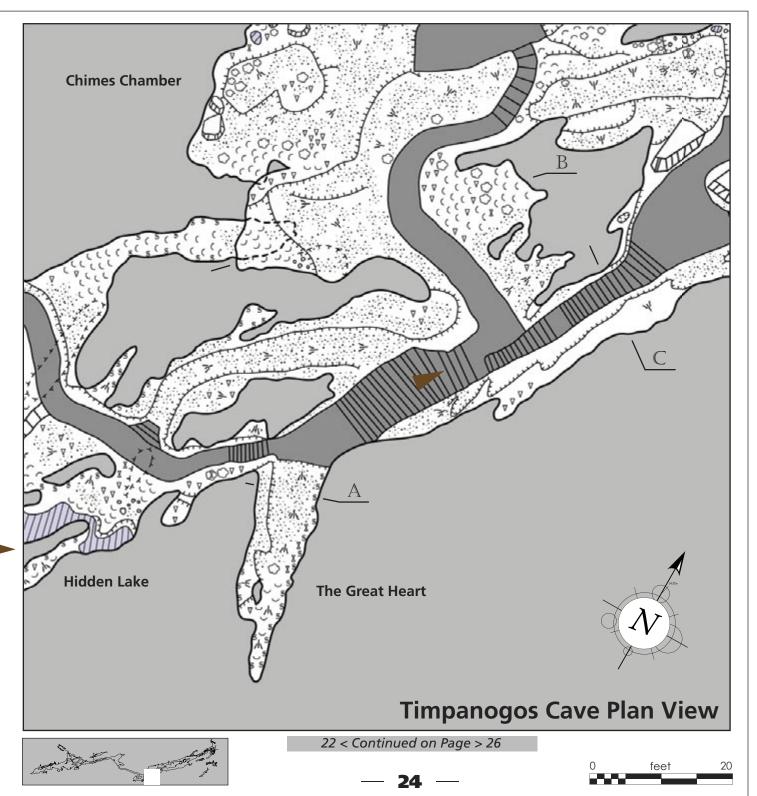








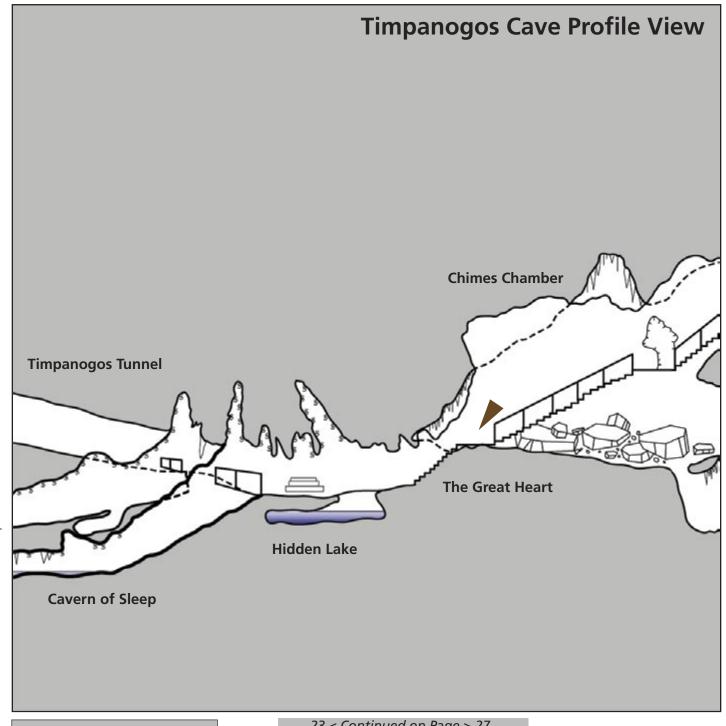
Cave trail at the junction to the Chimes Chamber. NPS Photo.



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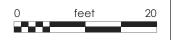


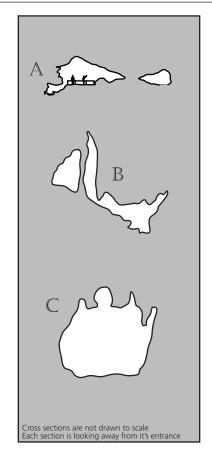
The Great Heart of Timpanogos. Photo by Jon Jasper 2004.





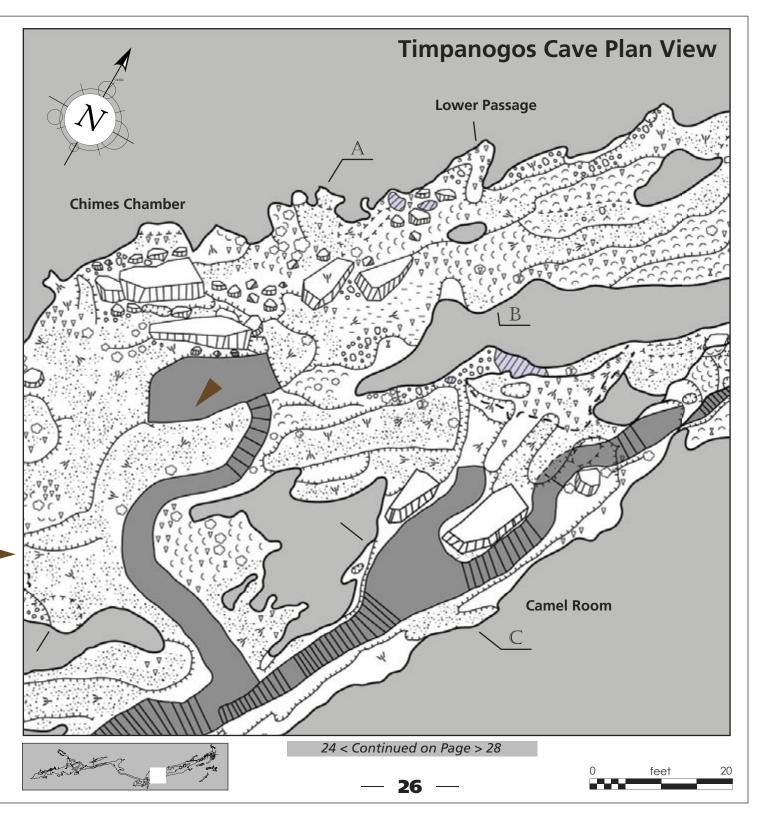








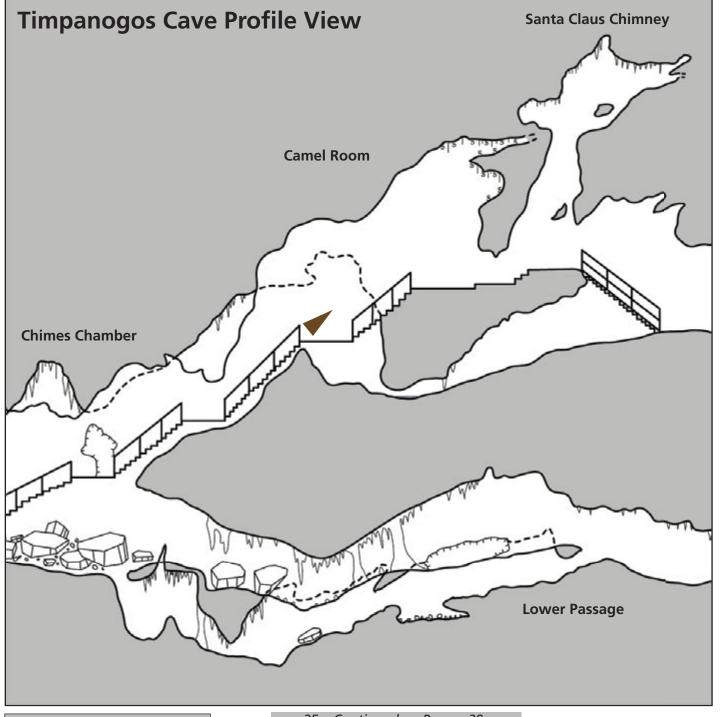
Formation covered ceiling in the Chimes Chamber. NPS Photo.



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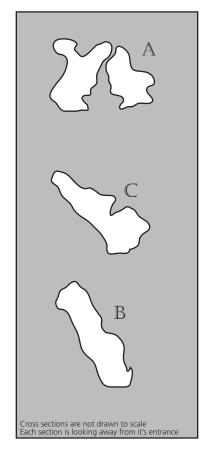


Looking into the Camel Room. NPS Photo.



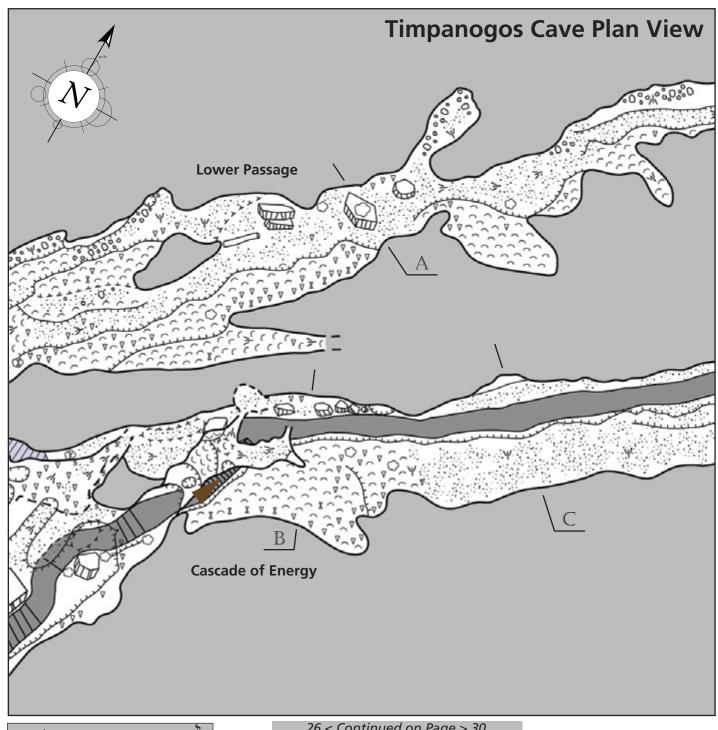








A tour group passes by the Cascade of Energy flowstone formation. NPS Photo.

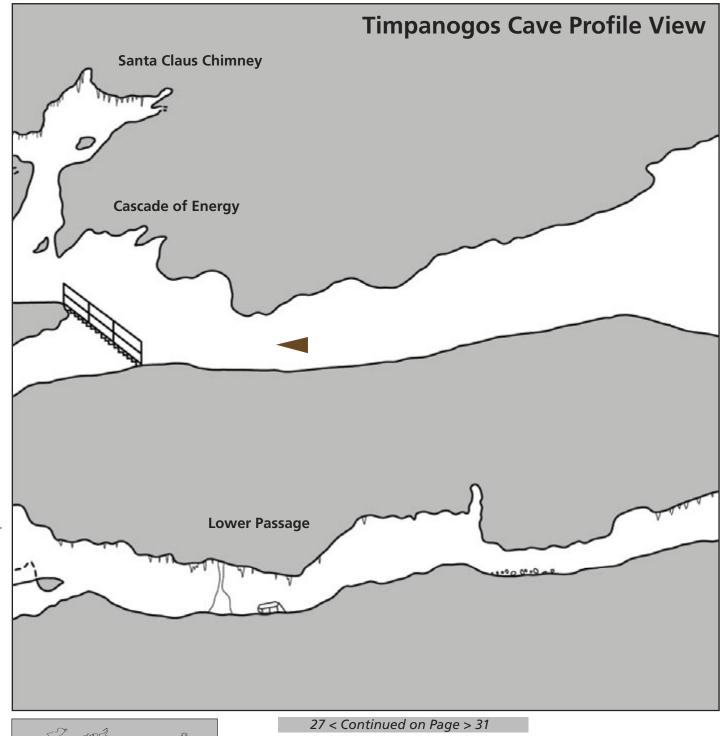




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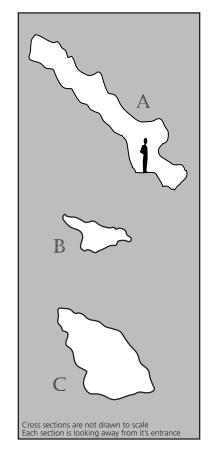
Drapery below the Cascade of Energy. NPS Photo.





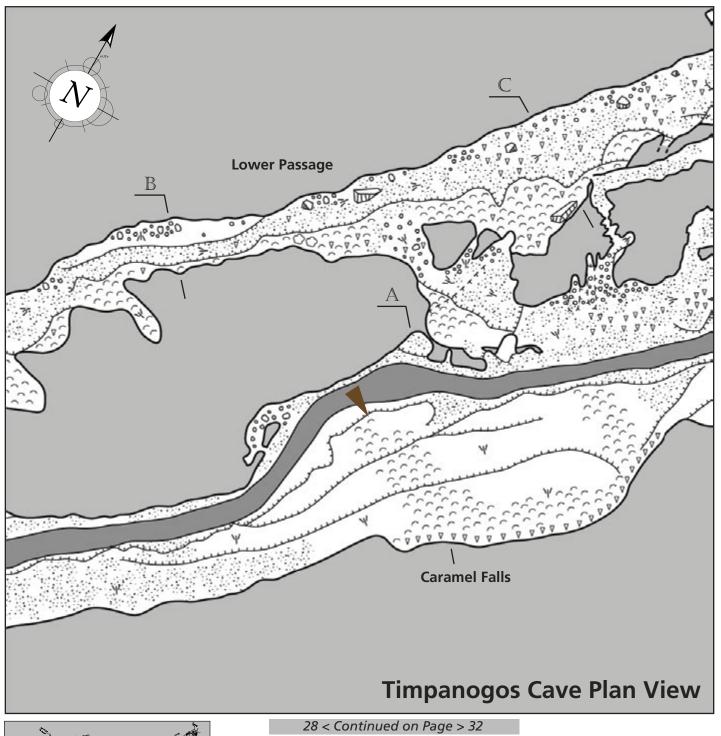








The Caramel Falls flowstone formation. Orange coloration is cause by the presence of Iron. NPS Photo.

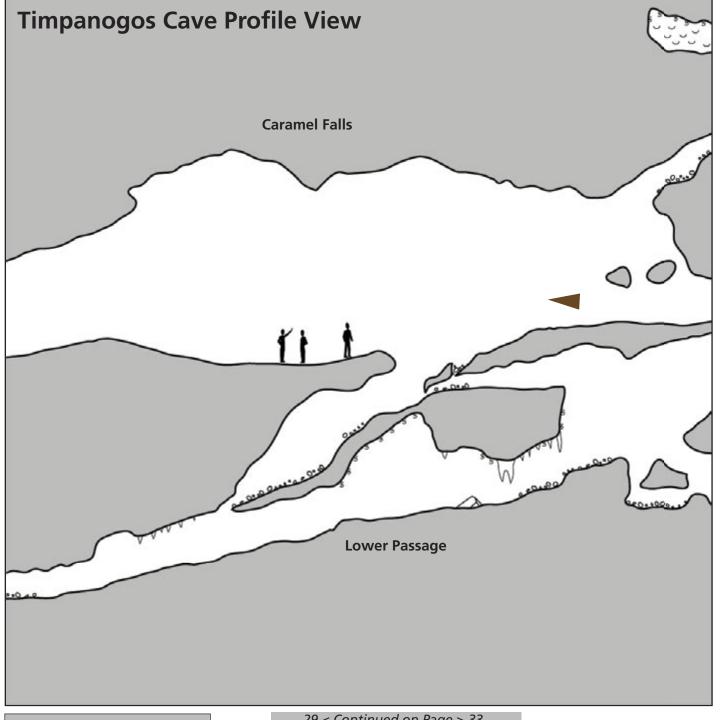




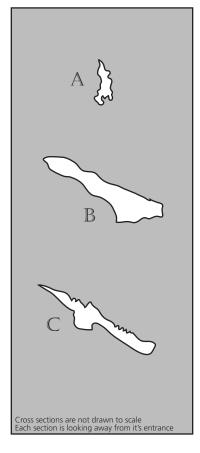
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Passageway at the Caramel Falls. NPS Photo.



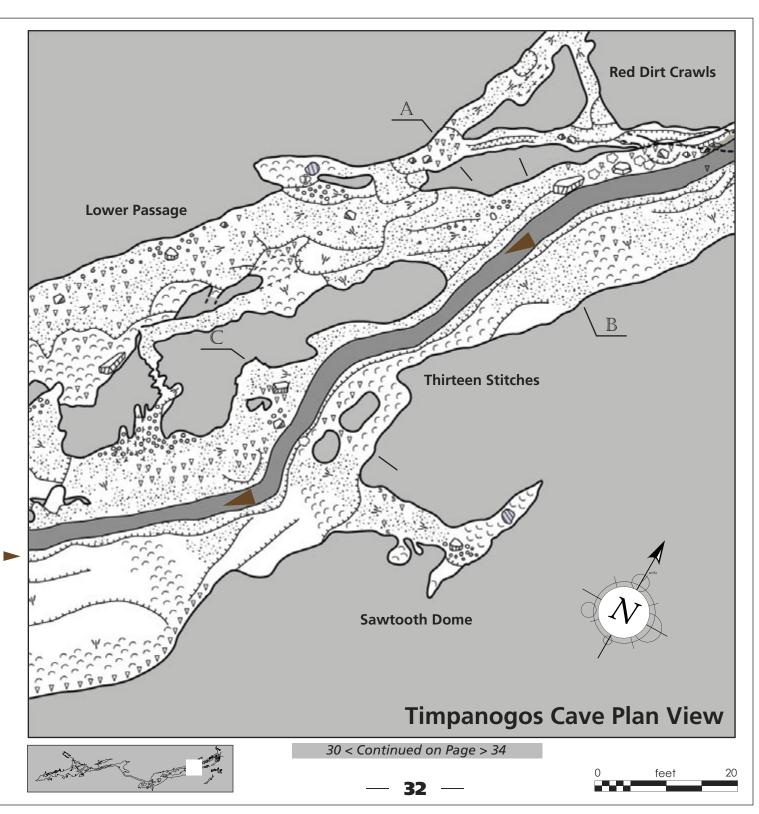








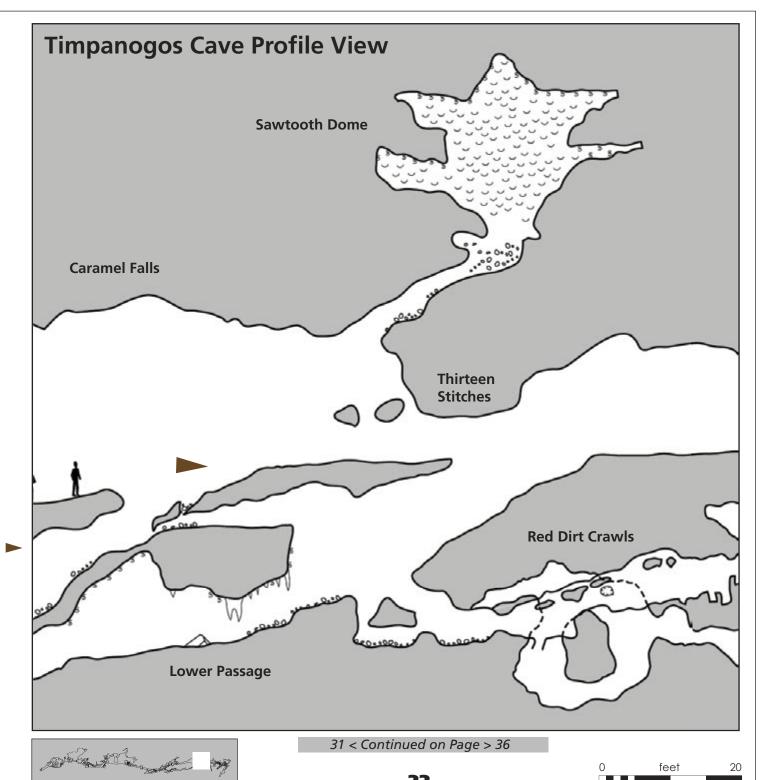
Two access areas into the lower passage. The top image shows the better route. NPS Photos.

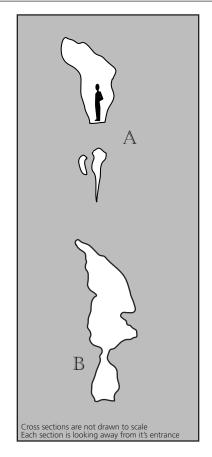


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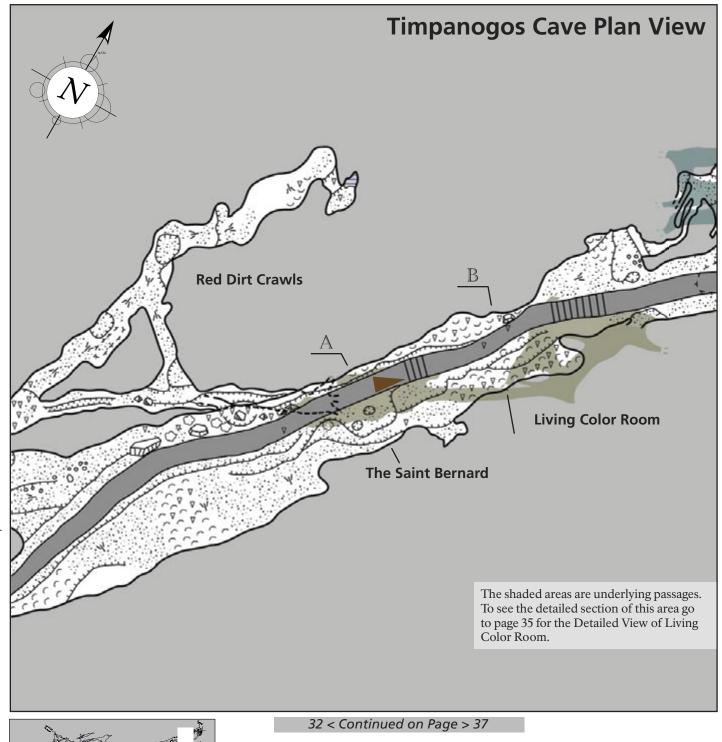
Passage way just before the Thirteen Stitches formation. It is here at the bend in the trail and up to the right where the Sawtooth Dome is accessed. This slope is extremely loose and can cause rocks and debris to fall onto the trail below.

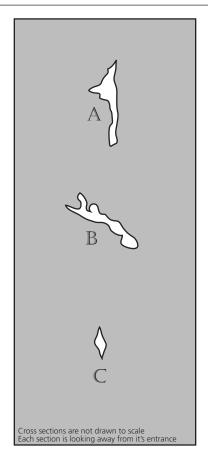






The Saint Bernard flowstone formation. NPS Photo.



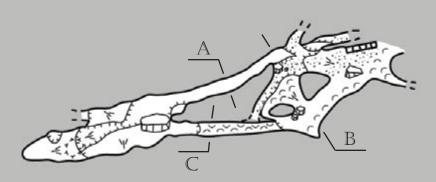




Hole on the left shows one entrance to the Living Color Room. It is located before the Bone Yard and just after the stairs past the Saint Bernard. This passage goes from where you see above, to just below the bridge before the Saint Bernard. The best way to describe the Living color room is tight, disgustingly muddy, and miserable. NPS Photo.



Timpanogos Cave Plan View



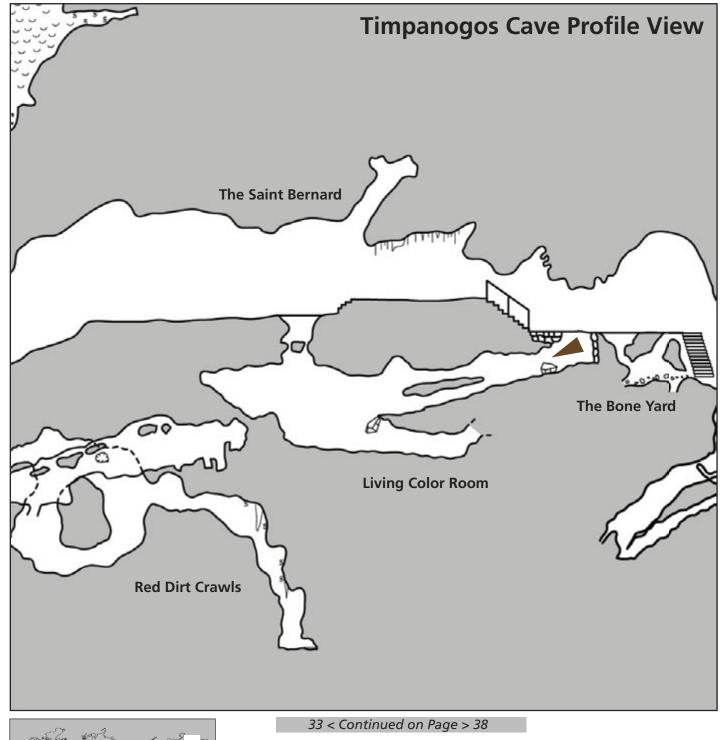
Detailed View Living Color Room Connects on Page 34



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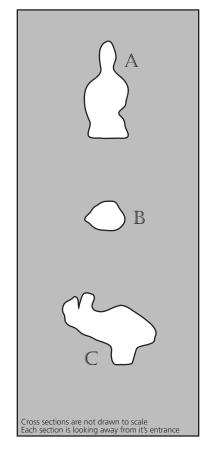


Brandon Kowallis squeezing through a clean section of the Living Color Room. Photo by Jon Jasper 2004.



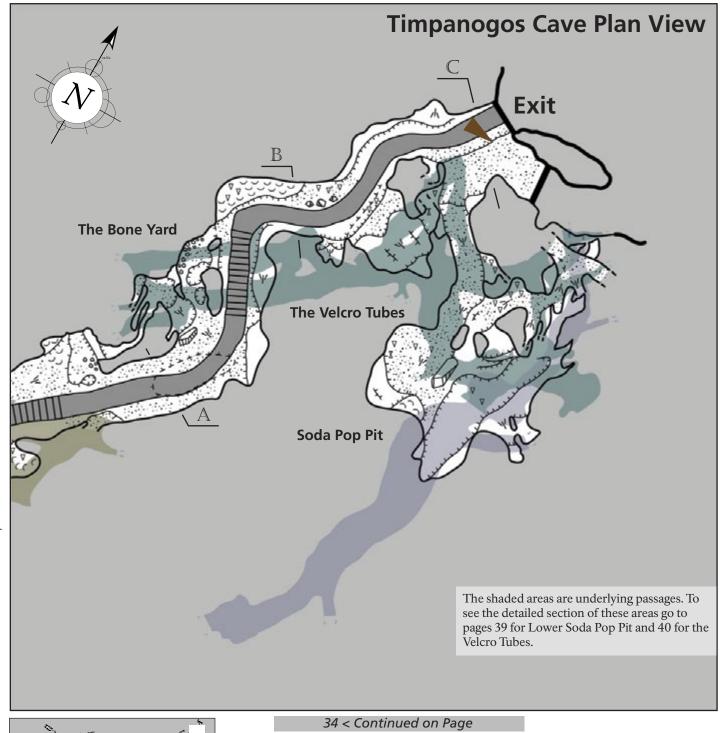








Installing the cave gate at the Timpanogos Cave exit. NPS Photo.

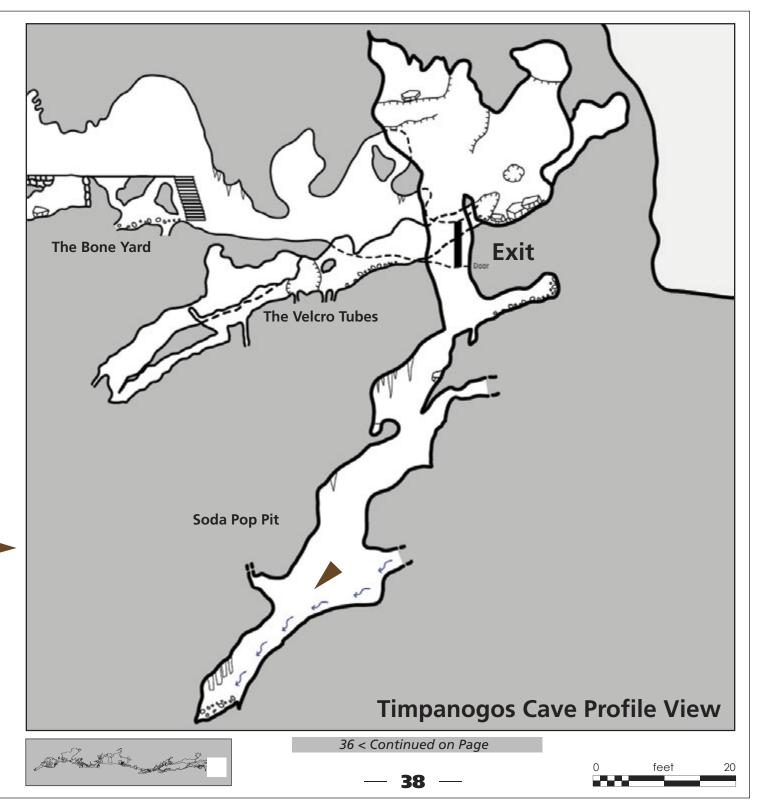


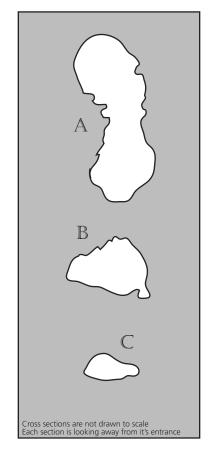


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Rocks	.,0
Boulders	
Slope	人
Pit	3
Column	X
Ceiling Ledge	77777
Ceiling Dome	۲, ۲ ۲, ۲, ۲
Silt	



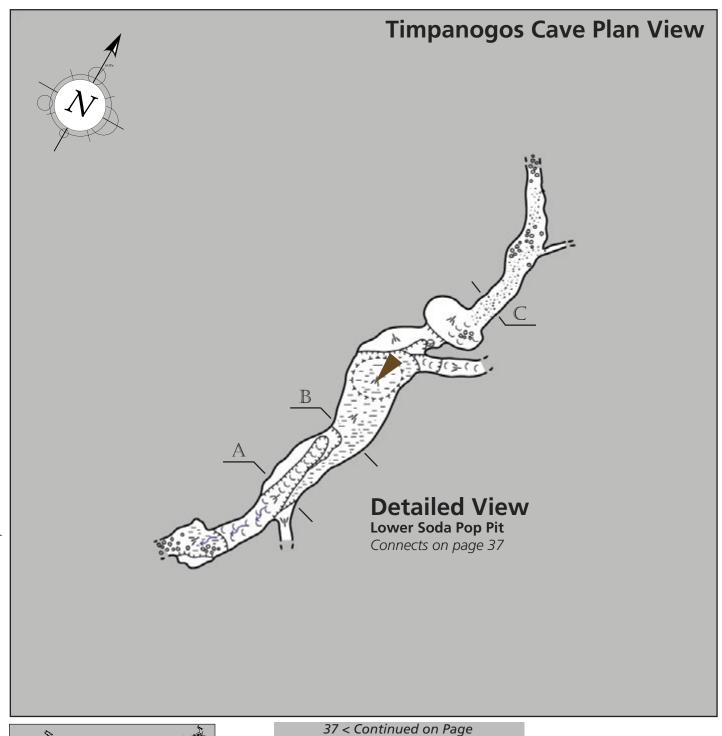
Jon Jasper at the flooded bottom of Soda Pop Pit. NPS Photo.



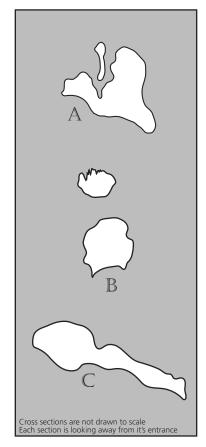




Cami Pulham preparing to descend into Soda Pop Pit. NPS Photo.











Jon Jasper (top) and Brandon Kowallis (bottom) in popcorn lined, velcro sections of the Velcro Tubes. NPS Photos.

